

Single LED lamp



External illumination



LED technology



On / off

The equipment

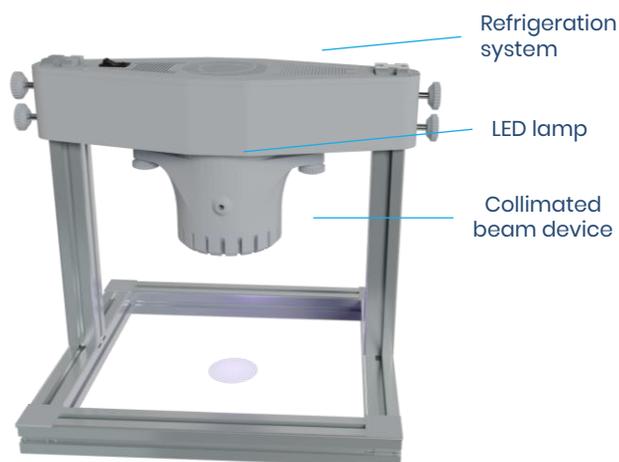
Apria Systems has designed a series of flexible tabletop lamps with **LED technology**. We offer a wide range of **tailor-made** models to adapt the equipment to the needs of our clients.

Each single lamp has **one LED**. The **radiation intensity can be regulated** by adjusting the distance of the lamp to the reaction media, offering an adjustment to the needs of the treatment.

A **collimated beam device**, including its corresponding collimated tube and lens, is offered as an optional complement when homogeneous distribution of the light is required.



Elements of the system



Operation

A. WITHOUT COLLIMATOR

- 1.* Set the sample to be irradiated under the lamp
2. Turn-on the light
3. Perform the photochemical treatment

Extremely easy

B. WITH COLLIMATOR

- * Before step 1, couple the collimated beam device on the lamp

We offer a wide range of alternatives to adjust our equipment to your needs

Characteristics

Number of LEDs	1
Configuration	Single wavelength
Irradiated area	∅: 5 cm
Adjustable radiation intensity	Yes, through distance
Refrigeration system for the LED	Heat sink
Optional items	Collimated beam device

Source of light

Type of light	Wavelength (nm)	Peak (nm)	Radiant flux / LED
UV-C	263 – 268	265	100 mW
	268 – 280	275	
UV-B	295 – 305	300	32 mW
UV-A	365 – 370	365	1,200 mW
Violet	400 – 410	405	1,260 mW
White	400 – 700	450	315 lm
Blue	453 – 460	457	1,350 mW
Green	520 – 530	523	450 mW
Yellow	587 – 598	590	470 lm
Red	618 – 630	623	935 mW
NIR	835 – 875	850	930 mW
FIR	920 – 960	940	1,350 mW

